Translation of Abstract of JP11295565

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COATED OPTICAL FIBER
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Abstract:

PROBLEM TO BE SOLVED: To stably cover and hold a bar code sheet after mounting and to relatively easily perform the work of opening a vertical cut and forcibly putting it on a coated optical fiber further by turning the tension yield elongation and flexural rigidity of a transparent plastic tube to the ones within a specified range.

SOLUTION: The tension yield elongation of the plastic tube (t) is turned to the one within the range of 30-300% and the flexural rigidity is turned to the one within the range of 5.0-10.0 kilogram f.square millimeter. When an extension yield elongation rate is low, the bar code sheet S can not be stably held. On the other hand, when the extension yield elongation rate is high, the coating of the bar code sheet S becomes incomplete and the possibility of exposing a part of both ends of the bar code sheet S becomes large. Also, wrinkles are locally generated on the bar code sheet S when the flexural rigidity is less than 5.0 kilogram f.square millimeter and opening from the vertical cut Y becomes difficult when the flexural rigidity exceeds the 10.0 kilogram f.square millimeter.